

|                               |                        |                     |  |
|-------------------------------|------------------------|---------------------|--|
| <b>Notice of Allowability</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                               | 09/767,651             | WILLAUER ET AL.     |  |
|                               | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                               | Ms. Arti Singh         | 1771                |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed after interview on 09/16/2003.
2. ☒ The allowed claim(s) is/are 25-29, 31-38, 40 & 41 renumbered as 1-16.
3. ☒ The drawings filed on 01/23/2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**


7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).


9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.



**Attachment(s)**

- |   |  |
|---|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                     |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>herewith</u> . |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No. _____  | 7 <input type="checkbox"/> Examiner's Amendment/Comment  |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                       |
|   | 9 <input type="checkbox"/> Other   |


  
 Ms. Arti Singh  
 Primary Examiner  
 Art Unit: 1771

CORRECTED VERSION

|  |                 |                 |  |
|--|-----------------|-----------------|--|
| <b>Issue Classification</b><br> | Application No. | Applicant(s)    |  |
|  | 09/767,651      | WILLAUER ET AL. |  |
|  | Examiner        | Art Unit        |  |
|  | Ms. Arti Singh  | 1771            |  |

| ISSUE CLASSIFICATION   |   |          |   |       |   |                                   |     |     |     |                                 |     |                      |
|--|---|----------|---|-------|---|-----------------------------------|-----|-----|-----|---------------------------------|-----|----------------------|
| ORIGINAL   |   |          |   |       | CROSS REFERENCE(S)  |                                   |     |     |     |                                 |     |                      |
| CLASS  |   | SUBCLASS |   |       | CLASS   | SUBCLASS (ONE SUBCLASS PER BLOCK) |     |     |     |                                 |     |                      |
| 28   |   | 167      |   |       | 2   | 900                               | -   | -   | -   | -                               | -   |                      |
| INTERNATIONAL CLASSIFICATION   |   |          |   |       | 28  | 160                               | 169 | -   | -   | -                               | -   |                      |
| A  | 4 | 1        | D | 19/00 | 156   | 61                                | 63  | 83  | 84  | 104                             | 105 | 183                  |
|  |   |          |   | /     | 264   | 11                                | 12  | -   | -   | -                               | -   | -                    |
|  |   |          |   | /     | 428   | 36.1                              | 59  | 60  | 88  | 98                              | 103 | 104                  |
|  |   |          |   | /     | 428   | 121                               | 122 | 130 | 139 | 141                             | 152 | 907                  |
|  |   |          |   | /     | 442   | 123                               | 152 | 164 | 181 | 304                             | 327 | -                    |
| <br>(Assistant Examiner) (Date) |   |          |   |       | <br><b>Ms. Arti R. Singh</b><br>Primary Examiner<br>Tech Center 1700 |                                   |     |     |     | Total Claims Allowed: <b>15</b> |     |                      |
|  |   |          |   |       |   |                                   |     |     |     | O.G. Print Claim(s)<br>1        |     | O.G. Print Fig.<br>1 |
| (Legal Instruments Examiner) (Date)  |   |          |   |       |   |                                   |     |     |     |                                 |     |                      |

|  |          |       |          |                              |          |       |          |                               |          |       |          |                                 |          |  |  |
|--|----------|-------|----------|------------------------------|----------|-------|----------|-------------------------------|----------|-------|----------|---------------------------------|----------|--|--|
| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          | <input type="checkbox"/> CPA |          |       |          | <input type="checkbox"/> T.D. |          |       |          | <input type="checkbox"/> R.1.47 |          |  |  |
| Final  | Original | Final | Original | Final                        | Original | Final | Original | Final                         | Original | Final | Original | Final                           | Original |  |  |
|  | 1        | 7     | 31       |                              | 61       |       | 91       |                               | 121      |       | 151      |                                 | 181      |  |  |
|  | 2        | 8     | 32       |                              | 62       |       | 92       |                               | 122      |       | 152      |                                 | 182      |  |  |
|  | 3        | 9     | 33       |                              | 63       |       | 93       |                               | 123      |       | 153      |                                 | 183      |  |  |
|  | 4        | 10    | 34       |                              | 64       |       | 94       |                               | 124      |       | 154      |                                 | 184      |  |  |
|  | 5        | 11    | 35       |                              | 65       |       | 95       |                               | 125      |       | 155      |                                 | 185      |  |  |
|  | 6        | 12    | 36       |                              | 66       |       | 96       |                               | 126      |       | 156      |                                 | 186      |  |  |
|  | 7        | 13    | 37       |                              | 67       |       | 97       |                               | 127      |       | 157      |                                 | 187      |  |  |
|  | 8        | 14    | 38       |                              | 68       |       | 98       |                               | 128      |       | 158      |                                 | 188      |  |  |
|  | 9        |       | 39       |                              | 69       |       | 99       |                               | 129      |       | 159      |                                 | 189      |  |  |
|  | 10       | 15    | 40       |                              | 70       |       | 100      |                               | 130      |       | 160      |                                 | 190      |  |  |
|  | 11       | 16    | 41       |                              | 71       |       | 101      |                               | 131      |       | 161      |                                 | 191      |  |  |
|  | 12       |       | 42       |                              | 72       |       | 102      |                               | 132      |       | 162      |                                 | 192      |  |  |
|  | 13       |       | 43       |                              | 73       |       | 103      |                               | 133      |       | 163      |                                 | 193      |  |  |
|  | 14       |       | 44       |                              | 74       |       | 104      |                               | 134      |       | 164      |                                 | 194      |  |  |
|  | 15       |       | 45       |                              | 75       |       | 105      |                               | 135      |       | 165      |                                 | 195      |  |  |
|  | 16       |       | 46       |                              | 76       |       | 106      |                               | 136      |       | 166      |                                 | 196      |  |  |
|  | 17       |       | 47       |                              | 77       |       | 107      |                               | 137      |       | 167      |                                 | 197      |  |  |
|  | 18       |       | 48       |                              | 78       |       | 108      |                               | 138      |       | 168      |                                 | 198      |  |  |
|  | 19       |       | 49       |                              | 79       |       | 109      |                               | 139      |       | 169      |                                 | 199      |  |  |
|  | 20       |       | 50       |                              | 80       |       | 110      |                               | 140      |       | 170      |                                 | 200      |  |  |
|  | 21       |       | 51       |                              | 81       |       | 111      |                               | 141      |       | 171      |                                 | 201      |  |  |
|  | 22       |       | 52       |                              | 82       |       | 112      |                               | 142      |       | 172      |                                 | 202      |  |  |
|  | 23       |       | 53       |                              | 83       |       | 113      |                               | 143      |       | 173      |                                 | 203      |  |  |
| 1  | 24       |       | 54       |                              | 84       |       | 114      |                               | 144      |       | 174      |                                 | 204      |  |  |
| 2  | 25       |       | 55       |                              | 85       |       | 115      |                               | 145      |       | 175      |                                 | 205      |  |  |
| 3  | 26       |       | 56       |                              | 86       |       | 116      |                               | 146      |       | 176      |                                 | 206      |  |  |
| 4  | 27       |       | 57       |                              | 87       |       | 117      |                               | 147      |       | 177      |                                 | 207      |  |  |
| 5  | 28       |       | 58       |                              | 88       |       | 118      |                               | 148      |       | 178      |                                 | 208      |  |  |
| 6  | 29       |       | 59       |                              | 89       |       | 119      |                               | 149      |       | 179      |                                 | 209      |  |  |
|  | 30       |       | 60       |                              | 90       |       | 120      |                               | 150      |       | 180      |                                 | 210      |  |  |

|   |                        |  |                     |  |
|---|------------------------|--|---------------------|--|
| <b>Index of Claims</b><br> | <b>Application No.</b> |  | <b>Applicant(s)</b> |  |
|   | 09/767,651             |  | WILLAUER ET AL.     |  |
|   | <b>Examiner</b>        |  | <b>Art Unit</b>     |  |
|   | Ms. Arti Singh         |  | 1771                |  |

|   |                 |
|---|-----------------|
| ✓ | <b>Rejected</b> |
| = | <b>Allowed</b>  |

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| — | <b>(Through numeral)<br/>Cancelled</b> |
| ÷ | <b>Restricted</b>                      |

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| N | <b>Non-Elected</b>  |
| I | <b>Interference</b> |

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| A | <b>Appeal</b>   |
| O | <b>Objected</b> |

| Claim |          | Date     |  |  |  |  |  |  |  |  |  |
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| Final | Original | 12/27/03 |  |  |  |  |  |  |  |  |  |
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|       | 22       |          |  |  |  |  |  |  |  |  |  |
|       | 23       |          |  |  |  |  |  |  |  |  |  |
| 1     | 24       | =        |  |  |  |  |  |  |  |  |  |
| 2     | 25       | =        |  |  |  |  |  |  |  |  |  |
| 3     | 26       | =        |  |  |  |  |  |  |  |  |  |
| 4     | 27       | =        |  |  |  |  |  |  |  |  |  |
| 5     | 28       | =        |  |  |  |  |  |  |  |  |  |
| 6     | 29       | =        |  |  |  |  |  |  |  |  |  |
|       | 30       |          |  |  |  |  |  |  |  |  |  |
| 7     | 31       | =        |  |  |  |  |  |  |  |  |  |
| 8     | 32       | =        |  |  |  |  |  |  |  |  |  |
| 9     | 33       | =        |  |  |  |  |  |  |  |  |  |
| 10    | 34       | =        |  |  |  |  |  |  |  |  |  |
| 11    | 35       | =        |  |  |  |  |  |  |  |  |  |
| 12    | 36       | =        |  |  |  |  |  |  |  |  |  |
| 13    | 37       | =        |  |  |  |  |  |  |  |  |  |
| 14    | 38       | =        |  |  |  |  |  |  |  |  |  |
|       | 39       |          |  |  |  |  |  |  |  |  |  |
| 15    | 40       | =        |  |  |  |  |  |  |  |  |  |
| 16    | 41       | =        |  |  |  |  |  |  |  |  |  |
|       | 42       |          |  |  |  |  |  |  |  |  |  |
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| Claim |          | Date |  |  |  |  |  |  |  |  |  |
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| Final | Original |      |  |  |  |  |  |  |  |  |  |
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|       | 88       |      |  |  |  |  |  |  |  |  |  |
|       | 89       |      |  |  |  |  |  |  |  |  |  |
|       | 90       |      |  |  |  |  |  |  |  |  |  |
|       | 91       |      |  |  |  |  |  |  |  |  |  |
|       | 92       |      |  |  |  |  |  |  |  |  |  |
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|       | 94       |      |  |  |  |  |  |  |  |  |  |
|       | 95       |      |  |  |  |  |  |  |  |  |  |
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|       | 97       |      |  |  |  |  |  |  |  |  |  |
|       | 98       |      |  |  |  |  |  |  |  |  |  |
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|       | 100      |      |  |  |  |  |  |  |  |  |  |

| Claim |          | Date |  |  |  |  |  |  |  |  |  |
|-------|----------|------|--|--|--|--|--|--|--|--|--|
| Final | Original |      |  |  |  |  |  |  |  |  |  |
|       | 101      |      |  |  |  |  |  |  |  |  |  |
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|       | 103      |      |  |  |  |  |  |  |  |  |  |
|       | 104      |      |  |  |  |  |  |  |  |  |  |
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|       | 106      |      |  |  |  |  |  |  |  |  |  |
|       | 107      |      |  |  |  |  |  |  |  |  |  |
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|       | 137      |      |  |  |  |  |  |  |  |  |  |
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|       | 139      |      |  |  |  |  |  |  |  |  |  |
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|       | 141      |      |  |  |  |  |  |  |  |  |  |
|       | 142      |      |  |  |  |  |  |  |  |  |  |
|       | 143      |      |  |  |  |  |  |  |  |  |  |
|       | 144      |      |  |  |  |  |  |  |  |  |  |
|       | 145      |      |  |  |  |  |  |  |  |  |  |
|       | 146      |      |  |  |  |  |  |  |  |  |  |
|       | 147      |      |  |  |  |  |  |  |  |  |  |
|       | 148      |      |  |  |  |  |  |  |  |  |  |
|       | 149      |      |  |  |  |  |  |  |  |  |  |
|       | 150      |      |  |  |  |  |  |  |  |  |  |